

Amendment
Serial No. 09/686,572

Docket No. US000183

IN THE CLAIMS:

Kindly replace the claims of record with the following full set of claims:

1. (cancelled)
2. (Previously presented) The method of claim 13, wherein the data from a source comprising a database of control codes and is provided via a data network comprising the Internet.
3. (Previously presented) The method of claim 2, comprising:
enabling a user to specify to a server on the network an apparatus for being controlled by the control device; and
enabling the server to identify a corresponding control code for being provided as the data in the mark-up language format.
4. (Previously presented) The method of claim 13, wherein the control code comprises part of an EPG or ECG.
5. (Previously presented) The method of claim 13, comprising supplying a control code comprising a GUI element for use on the control device.
6. (original) The method of claim 5, wherein the GUI element comprises a graphical representation of a remote control device.

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7. (cancelled)

8. (Previously presented) The device of claim 14, having a display monitor and being suitable for receipt of a GUI element in the mark-up language format.

9-12. (cancelled)

13. (Currently amended) A method, comprising:

~~over a bidirectional data network~~ providing, over a bidirectional data network, a control code to a home network comprising a control-device, the control code comprising data in a mark-up language format, the control code being representative of ~~a an IR or RF~~ command for controlling the state of an apparatus:

the control code not being usable by an apparatus until the control code is converted into the command and transmitted to the apparatus by an IR or RF signal ~~that is~~ independent of the bidirectional data network over which the control code was provided, wherein the apparatus is not pre-configured to deliver or cause delivery of its respective control code to the control device;

enabling the home network to convert the control code into an associated ~~the IR or RF~~ command; and

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enabling the control device to send the command to the apparatus via IR or RF transmission.

14. (Currently amended) A remote control device, comprising:
- the device being configured for receiving a control code from a source over a bidirectional data network, the control code comprising data in a mark-up language format, the control code being representative of a command for an apparatus;
- the remote control device being configured to convert the control code from a form that is not usable on the apparatus to be controlled into ~~a an IR or RF~~ command that is usable by the apparatus to change a state of the apparatus; and
- a transmitter providing the converted control code via an the IR or RF signal over a network, which is independent of the bidirectional data network command for the control code, wherein the apparatus is not pre-configured to deliver or cause delivery of its respective control code to the remote control device.

15. (Currently amended) A data base, comprising:
- control codes for controlling apparatuses through remote control devices, the control codes ~~representing IR or RF~~ representative of commands suitable for transmission for transmission by the remote control devices to the apparatuses over an IR or RF network and being formatted in a mark-up

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language, the database being in communication over a bidirectional data network with a plurality home network systems each of which comprises at least a remote control device, the control codes being deliverable to the remote control devices independent of the controlled apparatuses.

16. (new) A control code stored on a machine readable medium for control of CE equipment and for being supplied in an XML format, the control code representing an IR or RF signal for transmission by a remote control device to the CE equipment.

17. (Currently amended) A method comprising:

~~over a bidirectional data network~~, enabling each of a plurality of users to specify to a server, over a bidirectional data network, ~~for each user~~ an apparatus for being controlled by the control device of a user; and

enabling the server to identify a control code comprising data in a mark-up

language format, the control code being representative of a control code for the user specified an apparatus; and

enabling the server to communicate over the bidirectional data network with a home network that comprises a user's control device for delivery of the control code to the control device, wherein the control code is not directly usable by the specified apparatus until conversion of the control codes by the home network into a command that can be sent by the control device to the specified apparatus independent of the bidirectional network.

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18. (Currently amended) A method, comprising:

providing control codes in a mark-up language format to a home network comprising a control device for installation on the control device, a first set of control codes being part of an EPG or ECG, and a second set of control codes representing commands suitable IR or RF signals for transmission by a remote the control device over an IR or RF network to the a CE equipment to control the state of the CE equipment, the control codes being provided from a database over a bidirectional data network to the home network, wherein the equipment is not pre-configured to deliver or cause delivery of its respective control code to the control device.